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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/997,419

11/29/2001

Rahul Sukthankar

200301999-1

2457

7590

06/16/2004

IP Administration Legal Dept MS 35
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EXAMINER

NGUYEN, CHANH DUY

ART UNIT

PAPER NUMBER

2675

DATE MAILED: 06/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/997,419

Applicant(s)

SUKTHANKAR ET AL.

Examiner

Chanh Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-45 is/are pending in the application.
- 4a) Of the above claim(s) 23-43 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22, 44 and 45 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>11</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Species of Figure 2, claims 1-22 and 43-45 in the reply filed on April 14, 2004 is acknowledged.

Information Disclosure Statement

2. The references listed on the Information Disclosure Statement filed on November 29, 2001 have been considered by examiner; see attached PTO-1449.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-8, 11-16, 19-22 and 44-45 are rejected under 35 U.S.C. 102(e) as being anticipated by Slobodin et al (US 2002/0196378).

As to claim 1, Slobodin discloses a system for integrating and coordinating a plurality of media presentation displays including at least one media source (110) having a media sequence (presentations); see paragraphs 0006 and 0034. Slobodin teaches each media source (110), a presentation controller (e.g., 112-113, 200) responsive to the media source (110), and connected to receive the media sequence (e.g., presentation images) from the media source (110), the presentation controller

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(112, 113, 200) being operable for wireless communication (see Figure 1). Slobodin teaches a presentation server (160, 131, 300, 400) operable for wireless communication with each presentation controller (112-114, 200), such that the presentation server (160, 131, 300, 400) receives the media sequences (presentations images) of each media source (110); and at least one media transmitter (125) connected to the presentation server (160, 131, 300, 400), each of the projectors (130) responsive to the presentation server (160, 131, 300, 400) and operable to display the media sequence of the media sources (110); see Figures 2-3.

As to claim 14, Slobodin discloses a method of transmitting presentation data from a media source to a media presenter including establishing a wireless link (120, 125) between the media source (110) and the media presenter (130). Slobodin teaches the media source (130) having a media sequence (presentation) including frames (digital images); transmitting at least one frame (e.g, one presentation image) from the media source (110) to the media presenter (130). Slobodin teaches rendering a displayed image by the media presenter (130) on a common medium (145) based on the transmitted frame (transmitted presentation image). Slobodin teaches selectively transmitting at least a portion of a subsequent frame (subset of the presentation image) in the media sequence from the media source (110) to the media presenter (13) when a measurable difference in images from one frame to another frame is detected in the media sequence (see paragraphs 0045-0046).

As to claim 45, this claim differs from claim 14 only in that claim 14 is method whereas claim 45 is apparatus. Thus, apparatus claim 45 is analyzed as previously discussed with respect to method claim 14 above.

As to claim 44, this differs from claim 45 in that the passage " a computer data signal including program code" is recited in the preamble. Slobodin clearly teaches program code such as using Microsoft Window operating system (see paragraph 0071).

As to claim 2, Slobodin teaches a display sequencer (112-114, 200) operable to receive each of the media sequences (presentation images) from the media sources (110); see paragraph 0039.

As to claim 3, Slobodin teaches the presentation server (160, 131, 300, 400) including an arbitrator(131, 300, 400) responsive to each presentation controller and operable to selectively display each of the media sequences from the media sources; see paragraph 0039.

As to claim 4, Slobodin teaches an operator controller (e.g., logic 500) in communication with the display sequencer (112-114, 200) and the arbitrator (131, 300, 400) and operable to select media sequences (presentation images) and portions of media sequences (a subset of the digital image data) for display through each projector (130); see paragraph 0037.

As to claim 5, Slobodin teaches the display sequencer(112-114, 200) being operable to selectively transmit changed portions of a displayed media sequence; see paragraphs 0037 and 0045-0046.

As to claim 6, Slobodin teaches the presentation server (160, 131, 300, 400) being operable to receive only those portions of a displayed media sequence (subset of the digital image data) which have changed; see paragraphs 0045-0046.

As to claim 7, Slobodin teaches at least one media transmitter (125) including a plurality of projectors (130); see Figure 3.

As to claim 8, Slobodin teaches the presentation server further including a projector controller (300) operable to augment a displayed media sequence from each of the projectors (130); see paragraph 0056.

As to claim 11, Slobodin teaches the media source (110) connected to the presentation controller (112-113, 200) via a video output port (115) operable to transmit the media sequence (presentation image).

As to claim 12, Slobodin teaches the media source being connected to the presentation controller via a mouse input port operable to receive signals from the presentation server (see paragraph 0068).

As to claim 13, Slobodin teaches the media source (110) including a handheld personal computing device (see paragraph 0034).

As to claim 15, Slobodin teaches the media presenter (130) being operable to change the displayed image according to a predetermined threshold of differences between the displayed image and image of the subsequent frame in the media sequence (see paragraph 0046).

As to claim 16, Slobodin teaches a plurality of media sources (different laptops from different user; see paragraph 0006), wherein rendering further comprises

selectively arbitrating among media sequences transmitted from each of the media sources (see paragraph 0040).

As to claim 19, Slobodin teaches the transmitting from the media source to the media presenter is performed according to a predetermined protocol (see paragraph 0035).

As to claim 20, Slobodin teaches the predetermined protocol being IEEE 802.11, IEEE 802.11b (see paragraph 0070), it is inherent that IEEE 802.15 can be used in the wireless network of Slobodin.

As to claim 21, Slobodin teaches arbitrating by the media presenter (see paragraph 0037).

As to claim 22, Slobodin teaches a plurality of media sources (different laptops from different user; see paragraph 0006), and wherein the step of establishing includes providing a presentation server (160) as the media presenter, the presentation server being in wireless communication with each of the media sources.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of

the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

7. Claims 9-10 and 17-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Slobodin in view of Carpenter (US 2002/0089489).

As to claims 9-10 and 17-18, note the discussion of Slobodin above, Slobodin does not mention a camera capture the image from the common medium. Carpenter teaches a camera (103) capturing the optical point 107 and at least a substantial portion of projected image (see paragraph 0028). Therefore, it would have been obvious to one of ordinary skill in the art at the invention was made to have added the camera (108) of Carpenter to the a presentation projector of Slobodin so that a calibration process can be performed without requiring keystone (see paragraph 0014 of Carpenter).

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

McCullough (U.S. Patent No. 5,539,658) is cited to teach wireless electronic presentation system.

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Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chanh Nguyen whose telephone number is (703) 308-6603.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9306

Hand-delivered responses should be brought to Crystal Park II, 2121
Crystal Drive, Arlington, VA, Sixth Floor (Receptionist)

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.



C. Nguyen

June 11, 2004



**CHANH NGUYEN
PRIMARY EXAMINER**